

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A high-pressure discharge lamp having a discharge vessel with a diameter on the order of 4 mm and a length on the order of 36 mm and with an ionisable filling comprising a buffer gas of 3.8 mg Hg and an excess amount of a metal halide, which is substantially formed by 8 mg Lil, the 8 mg Lil enabling the lamp to emit 15-20% of its radiation as blue light with a wavelength between 400 and 500 nm and on the order of 75% of its radiation as red light with a wavelength between 600 and 700 nm, the lamp emission matching an absorption spectrum of green plants, the lamp further having a coldest spot temperature T_{cs} during normal operation of at least 1200K.
2. (original) A lamp according to claim 1 wherein the excess amount of the metal halide is substantially a mixture of Lil and NaI.
3. (original) A lamp according to claim 2 wherein the ionisable filling comprises substantially equal amounts of Lil and NaI.
4. (canceled)
5. (currently amended) A lamp according to claim ~~[[4]]~~ 1 wherein the buffer gas also comprises Xe.
6. (original) A lamp according to claim 1 wherein the discharge vessel is made of ceramic.